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High Speed Temperature Probe



FEATURES

- Settings operator controlled
- Digital outputs
- Time proven design
- Sensor emulation
- Low power
- Solid-state digital operation
- Different mechanical arrays available
- Custom design array available

GENERAL

If there is a requirement for a temperature measurement with some unusual parameters, there may be a solution that will help solve these issues. There might be occasions when there is a requirement for a fast response temperature measurement. Or there might be a requirement for trying to get an accurate temperature measurement with a high resolution temperature reading. Or there might be a requirement for measuring a fast temperature transition. Or there might be a requirement for getting a quick temperature reading without waiting for a normal thermometer to settle down.

Applied Technologies, Inc. has a probe that can perform unusual requirements, for air or a good deal of the gases, when making temperature measurements. It can provide a high speed temperature, a high resolution temperature, a fast temperature measurement, and a highly accurate temperature.

SPECIFICATIONS

High speed temperature measurements:	<1 Hz to 200 Hz - variable
High resolution temperature:	
Nominal	0.01°C
Possible	0.001°C
Accurate temperature:	
Nominal	±0.1°C
Possible	±0.05°C
Output:	
Nominal	Serial RS-232
Optional	RS-422
Baud Rate:	4800 to 460,800
Operation:	
Temperature	-50°C to +70°C
Relative Humidity	100%
Power Requirements:	+12 Vdc @ <25 mA (9 – 32 Vdc)
Probe Array:	2.54 cm x 15.9 cm x 17.8 cm
Weight:	<0.5 Kg
Mounting:	3.175 cm square tube